

**10th World Telecommunication/ICT
Indicators Meeting (WTIM-12)
Bangkok, Thailand, 25-27 September 2012**



Contribution to WTIM-12 session

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English

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TITLE: ITU Expert Group on Household indicators – Report from the EGH Chair



**Session 7 – Measuring ICT access through household surveys
ITU Expert Group on Household Indicators – EGH**

WTIM - 10th ITU World Telecommunication/ICT Indicators Meeting
27 September, 2012
Bangkok, Thailand

Alexandre Barbosa



Brazilian Internet Steering Committee – CGI.br
Brazilian Network Information Center – NIC.br
Center of Studies on Information and Communication Technologies – CETIC.br



Agenda

- ❑ **Objectives of the EGH Online Forum**
- ❑ **Work in progress of the EGH Online Forum – Statistics on registered members and discussions**
 - *Revision of existing definitions and core indicators*
 - *Proposal for new measurement topics and indicators*
 - *Cross-cutting issues*
- ❑ **Brazilian perspective on ICT Household survey**



EGH Online Forum Objectives



- ❑ **Recommendation of the 9th ITU WTIM:**
 - *Revision of the core indicators and the ITU Manual for Measuring ICT Access and Use by Households and Individuals .*



- ❑ **ITU set up the expert group:
Online Forum EGH in May/2012**

EGH Online Forum Objectives


- ❑ **The EGH is expected to review the core indicators on ICT household access and ICT individual use:**
 - *Revision of the definitions of some of the indicators in order to keep up to date with the evolution of technologies and services.*
 - *New topics need to be addressed which might require the definition of new indicators, response categories and/or classificatory variables, in order to reflect recent trends and the strong growth in new applications such as social media and content creation.*

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EGH Online Forum

Subforums

www.itu.int/net4/ITU-D/forums/EGH/



EGH

- General
Tutorials and help
- Revision to existing core indicators
- Proposal for new indicators
- Cross cutting issues
- Reference documents

The EGH Online Forum is operational since May/2012.

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EGH Online Forum

45 Countries and 97 Participants

97 Experts

- National Statistical Offices
- ICT Ministries and Telecom Regulatory Agencies
- Organizations from the Partnership
- Academia

**ECLAC
ITU
UNCTAD**

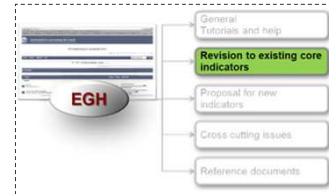
Country	Nr. of registered members	Nr. of Posts	Country	Nr. of registered members	Nr. of Posts
1 Afghanistan	1	0	26 Nigeria	2	0
2 Argentina	2	8	27 Oman	1	1
3 Azerbaijan	1	0	28 Pakistan	1	2
4 Bangladesh	1	0	29 Palestine	2	14
5 Brazil	10	14	30 Peru	2	0
6 Cameroun	2	5	31 Portugal	1	0
7 Colombia	5	0	32 Puerto Rico	1	0
8 Costa Rica	1	0	33 Qatar	3	0
9 Cyprus	1	0	34 Russian Federation	1	2
10 Dominican Republic	1	0	35 Senegal	1	0
11 Egypt	3	9	36 Solomon Islands	1	0
12 Ghana	1	0	37 St. Vincent & Grenadines	1	1
13 Haiti	1	0	38 Switzerland	1	0
14 Honduras	1	1	39 Thailand	1	0
15 Hong Kong	1	0	40 Togo	2	4
16 India	2	0	41 Trinidad and Tobago	1	1
17 Kenya	2	0	42 Tunisia	2	1
18 Latvia	1	0	43 Turkey	1	0
19 Lesotho	2	0	44 United Arab Emirates	1	0
20 Malawi	2	0	45 Zimbabwe	2	22
21 Mali	1	1	46 ECLAC	2	0
22 Mauritius	2	0	47 ITU	5	57
23 Mexico	2	0	48 UNCTAD	1	0
24 Moldova	1	0	49 Others	13	0
25 Niger	1	0	TOTAL	97	143

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Revisions of Existing Core Indicators

Discussion

- ❑ **HH1** – Proportion of households with a radio
- ❑ **HH2** – Proportion of households with a TV
- ❑ **HH3** – Proportion of households with telephone
- ❑ **HH4** – Proportion of households with a computer
- ❑ **HH6** – Proportion of households with Internet access
- ❑ **HH7** – Proportion of individuals who use the Internet in the last 12 months
- ❑ **HH8** – Location of individual use of the Internet in the last 12 months
- ❑ **HH9** – Internet activities undertaken by individuals in the last 12 months
- ❑ **HH10** – Proportion of individuals who used a mobile cellular telephone in the last 12 months
- ❑ **HH11** – Proportion of households with access to the Internet by type of access
- ❑ **HH12** – Frequency of individual use of the Internet in the last 12 months



Revisions of Existing Core Indicators

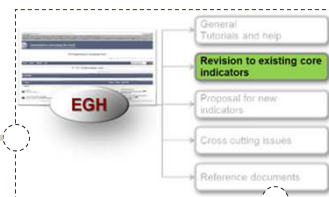
Discussion

Concepts & Definitions

- ❑ **HH1** – Proportion of households with a radio **Keep !**
 - Review current definition to include access to radio via the Internet
 - Devices working condition
- ❑ **HH2** – Proportion of households with a TV **Keep !**
 - Review current definition to include access to TV via other means or device
 - Indicator on multichannel television
 - Devices working condition
- ❑ **HH4** – Proportion of households with a computer
 - Definition of computer must be revised to include other devices

Reference Period

- ❑ **HH7** – Proportion of individuals who use the Internet in the last 12 months
 - Reference period



Proposal for new indicators

Discussion

- ❑ **Content Creation** (Consider jointly with HH9)
- ❑ **Finding a job** (Consider jointly with HH9)
- ❑ **Internet security** (and quality of service)
- ❑ **Barriers** to Internet access
- ❑ **ICT Skills**
- ❑ **ICT Expenditure**
- ❑ **Children and Youth Online Protection**
- ❑ **ICT Use by Children and Youth**
- ❑ **ICT Use by Gender**
- ❑ **Access to Electricity**
- ❑ **Social Inclusion with ICT, ICT for People with Disabilities**
- ❑ **Costs**



Proposal for new indicators

Discussion

Internet Activities

- ❑ Content creation, social interaction and civic participation
 - Consider jointly with HH9 – Internet Activities
 - Countries like Egypt and Brazil have expanded list of activities in the HH9 to include social interaction
- ❑ Finding a job

ICT Expenditure

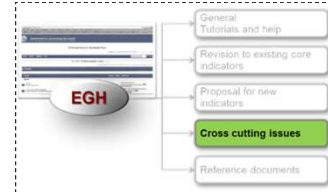
- ❑ Household expenditure on ICT
 - Household budget surveys to follow up its consumption on ICT services and devices



Cross-cutting issues

Discussion

- ❑ **Age** (Extend-in scope target population to account for children)
- ❑ **Urban / Rural** (How to improve reporting)
- ❑ **Gender** (Collect information about the household head)
- ❑ **Reference period** (Moving from the “In the last 12 months” to a more relevant reference period)
- ❑ **Ownership and Availability** of ICTs
- ❑ **Set reference period** for electronic device in working condition

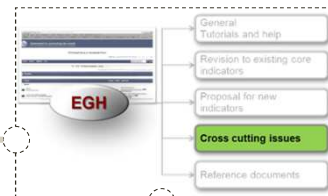


Cross-cutting issues

Discussion

Age

- ❑ The age scope should be emphasized to account separately for children
 - *UNSD recommendations on age ranges of individuals*



Urban / Rural

- ❑ Breakdown by urban / rural could be adopted as a classificatory variable to the core indicators
 - *Lack of internationally accepted definition*

ICT Household Survey in Brazil

Brazilian Households Survey Cross-cutting issues and new indicators

ICT Households Surveys

Manual for Measuring ICT Access and Use by Households and Individuals



New Indicators

- Urban / rural
- Reference period
- Internet activities
- Social networks

Extended age population

- Kids aged 5 to 9
- Kids aged 5 to 8
- Kids aged 9 to 16



ICT Kids Survey



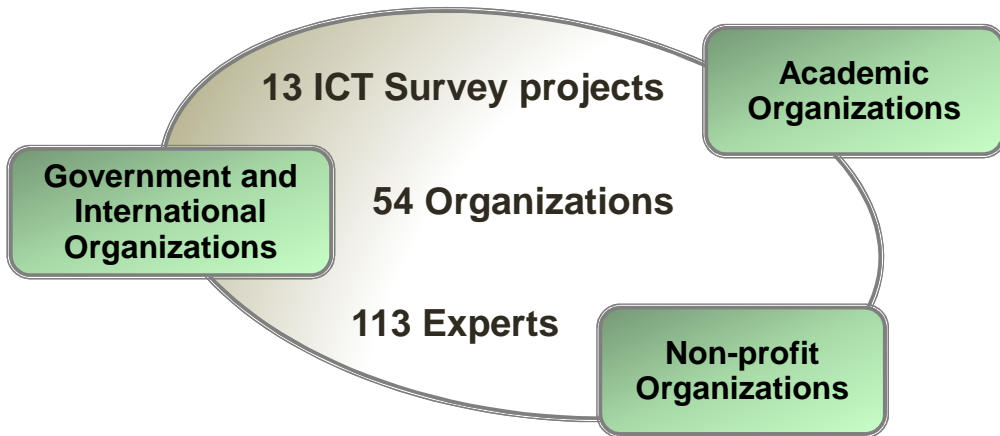
ICT Kids



Online Survey

ICT Surveys – Expert Groups

Indicators revision



Brazilian Households Survey

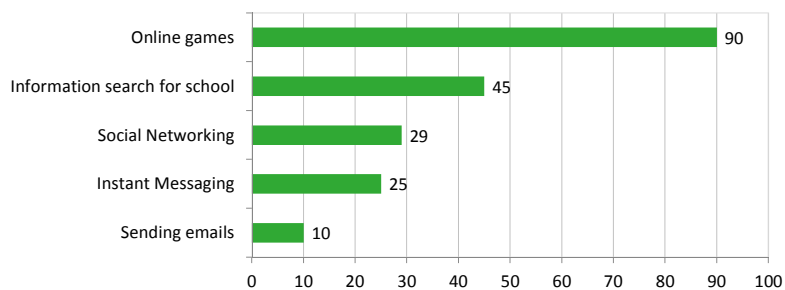
Cross-cutting issues and new indicators

□ Age (extend in-scope target population to account for children)



- Use of ICT by children from 5 to 9 years old
- COP Policies → Ministry of Justice

Online activities
% of children aged 5 to 9 that have already used the Internet



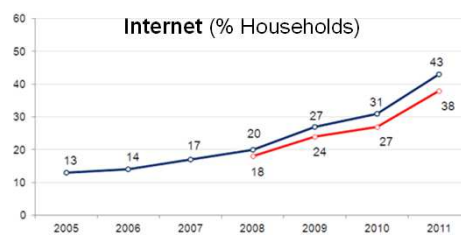
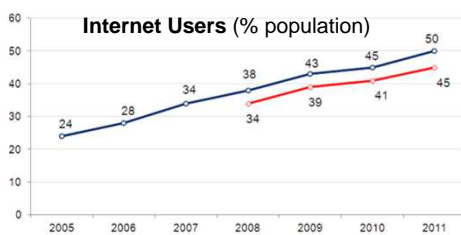
Brazilian Households Survey

Cross-cutting issues and new indicators

- Reference period - moving from “in the last 12 months” to a more relevant reference period:



- Urban / Rural measurements
- Digital inclusion policies → Ministry of Communications
- ICT Households uses “in the last 3 months”
- Contributes for the accuracy

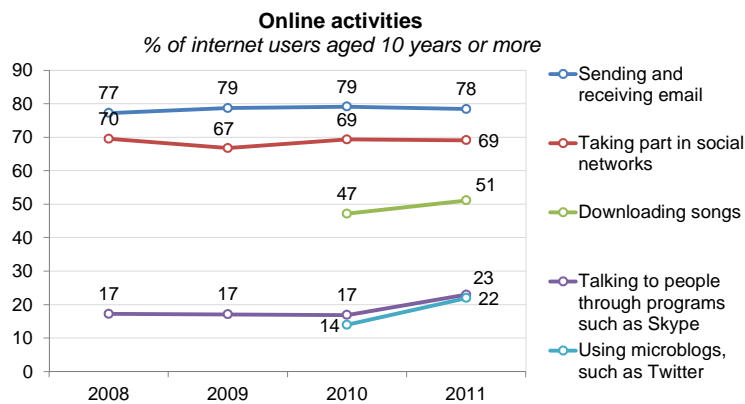


74 million Internet users in Brazil

Brazilian Households Survey

Cross-cutting issues and new indicators

- Content creation (consider jointly with Internet activities - HH9)
 - Investigate more than 30 internet activities since 2005
 - Constant revision (Social networks, Twitter, music download).



Brazilian Households Survey

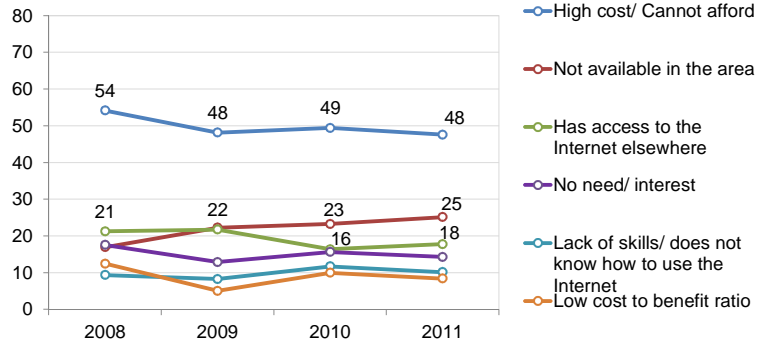
Cross-cutting issues and new indicators

□ Barriers to Internet access

- Existing barriers for the internet usage



Reasons for the lack of Internet access in the household
Percentage of the number of households which have computers, but no Internet access



Brazilian Households Survey

Cross-cutting issues and new indicators

□ Internet access expenditure (% of total households with Internet access):

- 22% of Brazilian households pay up to US\$ 20 per month for the Internet access.



Internet Access Price Range	% Households	% Accum.
Up to R\$ 30,00	10	10
R\$ 31,00 a R\$ 40,00	11	22
R\$ 41,00 a R\$ 50,00	15	37
R\$ 51,00 a R\$ 60,00	15	52
R\$ 61,00 a R\$ 70,00	10	62
R\$ 71,00 a R\$ 80,00	8	69
R\$ 81,00 a R\$ 90,00	6	75
R\$ 91,00 a R\$ 100,00	4	79
More than R\$ 100,00	9	89
Don't know / did not replied	11	100

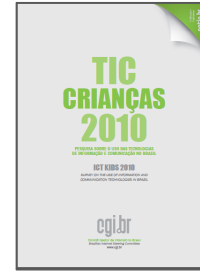
Brazilian Households Survey

Cross-cutting issues and new indicators

□ Children and youth online protection



- Access and Usage
- Activities
- Risk an harm
- Sexual Images
- Sexual Messages
- Bullying
- Meeting New People
- Other Risk Factors



- Probabilistic sample – 2,500 Children and 2,500 Parents
- Methodological issues (customization: cognitive tests)
- Brazilian Universities, Unicef, Unesco, Ministry of Justice

ICT statistics production in Brazil

Evidence-based public policies and academic research

ICT surveys

Comparable core indicators

Nationwide sample surveys combined with qualitative methods



Existing ICT Surveys
New Planned ICT Surveys



Internet-based statistics
Automated data collection

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Public policies formulation and assessment

ICT statistics used by the Brazilian Government

ICT Surveys in Brazil

- Methodological rigor
- Accuracy and credibility
- Accessible and interpretable data
- Relevant information

Evidence-based policymaking

Effective Public policies

- Designing
- Monitoring
- Assessment

- Ministry of Communication:** Digital inclusion policies.
- Ministry of Planning, Budget and Management:** e-Government policies.
- Ministry of Education:** Use and adoption of ICT in education policies.
- Ministry of Health:** ICT-based applications in the health sector policies.
- Ministry of Justice:** Child online protection policies.

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Please join the Online Forum

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Thank You!

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ICT Surveys in Brazil are available for download at
www.cetic.br/publicacoes